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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/566,661	01/31/2006	Thierry Courtin	003D.0085.U1(US)	5945
29683	7590	10/02/2007	EXAMINER	
HARRINGTON & SMITH, PC			DINH, PHUONG K	
4 RESEARCH DRIVE			ART UNIT	PAPER NUMBER
SHELTON, CT 06484-6212			2839	
			MAIL DATE	DELIVERY MODE
			10/02/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/566,661

Applicant(s)

COURTIN ET AL.

Examiner

Phuong KT Dinh

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07/27/2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☒ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>01/06</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

The last office action has been withdrawn.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-7, 9-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nile (U. S. Patent 4,253,234) in view of Macy (U. S. Patent 2,639,754).

3. Regarding claims 1-4, 10-11, Nile, see figure 2, discloses a method for crimping electric contact onto an electric wire, the contact 110 having a crimping section 113, 115, 16, 17 provided with a barrel for receiving electric wire 220, the barrel comprising a part designed to clasp the wire by deformation, characterized in that it comprises a first crimping step at a first crimping 113 height by folding a first surface of the crimping section 113 over wire by means of a crimping tool. Nile discloses the claimed invention except for the crimping tool comprising a stamping element and an anvil and a second crimping step at a second crimping height, lower than the first, in a localized region of the crimping section. Macy at figures 3, 5, discloses such items. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Nile to provide such features as taught by Macy so as to provide tools for the crimping steps. Note that the first and second steps could be carried out at the same time.

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4. Regarding claim 5, Nile, see figure 2, discloses the second crimping 15 is conducted on a central zone of the wings 112, 114.
5. Regarding claim 6, Nile discloses the first crimping 13 step is conducted over the entire surface of wings 112, 114.
6. Regarding claim 7, Nile, see figure 2, discloses the second crimping step 115 is conducted over a part of the surface of the wings having undergone the first crimping step 113. Resultant product meets claims 10, 11 limitations.
7. Regarding claim 8, Nile, see figure 2, discloses the claimed invention except for the crimping tool has a common anvil and separable stamping element parts. Macy, see figures 3, 5, discloses a crimping tool has a common anvil and separable stamping element parts. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Nile to provide such features as taught by Macy so as to provide tools for the crimping steps. Note that the lower set of plates 12, 26 are readable as a common anvil.

Claim Rejections - 35 USC § 103

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Japan 108192 in view of Macy (U. S. Patent 2,639,754).

10. Regarding claim 1, JP discloses a method for crimping electric contact onto an electric wire, the contact having a crimping section 4 provided with a barrel for receiving electric wire, the barrel comprising a part designed to clasp the wire by deformation, characterized in that it comprises a first crimping step at a first crimping height by folding a first surface of the crimping section 4 over wire by means of a crimping tool. JP discloses the claimed invention except for the crimping tool comprising a stamping element and an anvil and a second crimping step at a second crimping height, lower than the first, in a localized region of the crimping section. Macy at figures 3, 5, discloses such items. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify JP to provide such features as taught by Macy so as to provide tools for the crimping steps.

11. Regarding claim 2, JP discloses the crimping section 4 has an open barrel for receiving electric wire and crimping wings 2, those wings 2 extending beyond the barrel and being designed to clasp the wire 6, and in that the first crimping step folds a first surface of wings at said first height onto wire and the second crimping step folds a localized region of the wings at a second crimping height, lower than the first.

12. Regarding claim 3, JP discloses the second crimping is conducted over two disjoint zones of the wings.

13. Regarding claim 4, JP discloses the second crimping is conducted over two end zones of the wings.

14. Claims 10-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Nile.

15. Nile as discussed above meets claims 10, 11 limitations.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong KT Dinh whose telephone number is 571-272-2090. The examiner can normally be reached on 8 -5, 5 days a week.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TC Patel can be reached on 571-272-2098. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Phuong Dinh
September 13, 2007

Phuong KT Dinh
Primary Examiner
Art Unit 2839